

HINGE DEVICE

Abstract

The present invention provides a hinge for coupling a stationary member with a movable member which can be relatively moved to folded and unfolded positions with respect to the stationary member. The hinge includes a housing, a cam member having a cam, a cam follower member provided with a cam follower portion interacting with the cam, and a resilient member for urging the cam member. The cam member can perform a linear motion within the housing and the cam follower member can perform a rotational motion. The cam member includes a cam surface, the cam surface includes peaks and valleys, and each valley is provided with two or more stopping grooves. The cam follower member includes protrusions protruding toward the cam surface and ends of the protrusions can be inserted into the stopping grooves.

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